AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1.   (Currently Amended) A ~~physical computer readable~~ recording medium having an executable data structure for managing reproduction of still images by a reproducing apparatus, comprising:

a data area storing a first clip file including presentation data ~~in a first clip file~~ and ~~audio data in~~ a second clip file including audio data being reproduced with the still images asynchronously, the presentation data being divided into a number of still picture units, ~~each still picture unit including~~ at least one still picture and associated related data being contained in a still picture unit, the related data not including audio data, the related data being reproduced with the still images synchronously; and

a navigation area storing at least one playlist file, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating in-point and out-point of the first clip file for reproducing the presentation data, the sub-playitem indicating in-point and out-point of the second clip file for reproducing the audio data.

2.   (Currently Amended) The ~~physical computer readable~~ recording medium of claim 1, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

3.   (Canceled)

4.   (Currently Amended) The ~~physical computer readable~~ recording medium of claim 1, wherein the presentation data is multiplexed into a transport stream.

5.   (Currently Amended) The ~~physical computer readable~~ recording medium of claim 4, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

6.   (Currently Amended) The ~~physical computer readable~~ recording medium of claim 5, wherein each still picture unit is aligned with a physical recording unit of the physical computer readable medium.

7. (Currently Amended) The ~~physical computer readable~~recording medium of claim 6, wherein the physical computer readable medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

8. (Currently Amended) The ~~physical computer readable~~recording medium of claim 6, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

9. (Currently Amended) The ~~physical computer readable~~recording medium of claim 5, wherein the navigation area includes a clip information file, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

10. (Currently Amended) The ~~physical computer readable~~recording medium of claim 9, wherein the entry point map includes an entry point associated with each still picture unit.

11. (Canceled)

12. (Canceled)

13. (Currently Amended) The ~~physical computer readable~~recording medium of claim 1, wherein each still picture unit includes one packet from each packetized elementary stream.

14. (Canceled)

15. (Canceled)

16. (Currently Amended) The ~~physical computer readable~~recording medium of claim 1, wherein each still picture unit includes ~~only~~one still picture.

17. (Canceled)

18.   (Canceled)

19.   (Currently Amended) A method of recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

recording a first clip file including presentation data ~~in a first clip file~~ and ~~audio data in~~ a second clip file including audio data being reproduced with the still images asynchronously~~on the recording medium~~, the presentation data being divided into a number of still picture units, ~~each still picture unit including~~ at least one still picture and associated related data being contained in a still picture unit, the related data not including audio data, the related data being reproduced with the still images synchronously; and

recording at least one playlist file, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating in-point and out-point of the first clip file for reproducing the presentation data, the sub-playitem indicating in-point and out-point of the second clip file for reproducing the audio data.

20.   (Currently Amended) A method of reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

reproducing a first clip file including presentation data ~~in a first clip file~~ and ~~audio data in~~ a second clip file including audio data being reproduced with the still images asynchronously~~from the recording medium~~, the presentation data being divided into a number of still picture units, ~~each still picture unit including~~ at least one still picture and associated related data being contained in a still picture unit, the related data not including audio data, the related data being reproduced with the still images synchronously; and

reproducing at least one playlist file, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating in-point and out-point of the first clip file for reproducing the presentation data, the sub-playitem indicating in-point and out-point of the second clip file for reproducing the audio data.

21. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

a pick up configured to record data on the recording medium;

a controller configured to control the pick up to record <u>a first clip file including</u> presentation data ~~in a first clip file~~ and ~~audio data in~~ a second clip file <u>including audio data being reproduced with the still images asynchronously</u> ~~on the recording medium~~, the presentation data being divided into a number of still picture units, ~~each still picture unit including~~ at least one still picture and associated related data <u>being contained in a still picture unit</u>, the related data not including audio data<u>, the related data being reproduced with the still images synchronously</u>; and

the controller configured to control the pick up to record at least one playlist file, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating in-point and out-point of the first clip file for reproducing the presentation data, the sub-playitem indicating in-point and out-point of the second clip file for reproducing the audio data.

22. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

a pick up configured to reproduce data recorded on the recording medium;

a controller configured to control the pick up to reproduce <u>a first clip file including</u> presentation data ~~in a first clip file~~ and ~~audio data in~~ a second clip file <u>including audio data being reproduced with the still images asynchronously</u>~~from the recording medium~~, the presentation data being divided into a number of still picture units, ~~each still picture unit including~~ at least one still picture and associated related data <u>being contained in a still picture unit</u>, the related data not including audio data<u>, the related data being reproduced with the still images synchronously</u>; and

the controller configured to control the pick up to reproduce at least one playlist file, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating in-point and out-point of the first clip file for reproducing the presentation data, the sub-playitem indicating in-point and out-point of the second clip file for reproducing the audio data.

23.   (Previously Presented) The method of claim 19, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

24.   (Previously Presented) The method of claim 19, wherein the presentation data is multiplexed into a transport stream.

25.   (Previously Presented) The method of claim 24, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

26.   (Previously Presented) The method of claim 25, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

27.   (Previously Presented) The method of claim 25, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

28.   (Previously Presented) The method of claim 24 further comprising recording a clip information file in a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

29.   (Previously Presented) The method of claim 28, wherein the entry point map includes an entry point associated with each still picture unit.

30.   (Currently Amended) The method of claim 19, wherein each still picture unit includes ~~only~~ one still picture.

31.   (Previously Presented) The method of claim 20, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

32.   (Previously Presented) The method of claim 20, wherein the presentation data is multiplexed into a transport stream.

33.   (Previously Presented) The method of claim 32, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

34.   (Previously Presented) The method of claim 33, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

35.   (Previously Presented) The method of claim 33, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

36.   (Previously Presented) The method of claim 32 further comprising reproducing a clip information file from a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

37.   (Previously Presented) The method of claim 36, wherein the entry point map includes an entry point associated with each still picture unit.

38.   (Currently Amended) The method of claim 20, wherein each still picture unit includes ~~only~~ one still picture.

39.   (Previously Presented) The apparatus of claim 21, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

40.   (Previously Presented) The apparatus of claim 21, wherein the presentation data is multiplexed into a transport stream.

41.   (Previously Presented) The apparatus of claim 40, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

42.   (Previously Presented) The apparatus of claim 41, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

43.   (Previously Presented) The apparatus of claim 41, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

44.   (Previously Presented) The apparatus of claim 40, wherein the controller is configured to control the optical recording device to record at least a clip information file in a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

45.   (Previously Presented) The apparatus of claim 44, wherein the entry point map includes an entry point associated with each still picture unit.

46.   (Currently Amended) The apparatus of claim 21, wherein each still picture unit includes ~~only~~ one still picture.

47.   (Previously Presented) The apparatus of claim 22, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

48.   (Previously Presented) The apparatus of claim 22, wherein the presentation data is multiplexed into a transport stream.

49.   (Previously Presented) The apparatus of claim 48, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

50.   (Previously Presented) The apparatus of claim 49, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

51.   (Previously Presented) The apparatus of claim 49, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

52.   (Previously Presented) The apparatus of claim 48 wherein the controller is configured to control the optical reproducing device to reproduce at least a clip

information file in a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

53.   (Previously Presented) The apparatus of claim 52, wherein the entry point map includes an entry point associated with each still picture unit.

54.   (Currently Amended) The apparatus of claim 22, wherein each still picture unit includes ~~only~~ one still picture.